

WHAT IS CLAIMED IS:

1. A method for communication between a plurality of networked devices in a Web-based management system, comprising:

5 automatically providing networked device information from the networked devices to at least one Web object over a distributed network, wherein each Web object is a self-contained entity with object data, an associated presentation and a state machine lifecycle.

2. The method of claim 1, further comprising processing events using the state machine lifecycle of the at least one Web object.

10 3. The method of claim 2, further comprising communicating between the at least one Web object and at least one other Web object concurrently through events that are processed using the state machine lifecycle of the at least one Web object.

15 4. The method of claim 2, further comprising generating at least one subsequent event in response to a change in state of the state machine lifecycle of the at least one Web object.

5. The method of claim 2, wherein processing the at least one event comprises atomically processing the at least one event.

6. The method of claim 2, wherein processing the at least one event comprises atomically processing actions within a state.

20 7. The method of claim 2, further comprising managing events using an event queue.

8. The method of claim 7, wherein managing events using the event queue comprises receiving events, queuing the received events and transmitting the queued events in order to the at least one Web object.

25 9. The method of claim 2, further comprising receiving, at the at least one Web object, at least one event or data access directly from at least one other Web object.

10. The method of claim 2, further comprising accessing data directly from at least one other Web object by the at least one Web object.

30 11. The method of claim 2, further comprising synchronously receiving events at the at least one Web object.

12. The method of claim 2, further comprising asynchronously receiving events at the at least one Web object.

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The method of claim 1, further comprising analyzing the networked device information to obtain data related to the networked device information.

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~~11.~~

The method of claim 10, wherein analyzing the networked device information comprises processing at least one event such that the state machine lifecycle of at least one of the Web objects changes state.

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~~15.~~
~~12.~~

The method of claim 2, further comprising providing a runtime that establishes atomicity for the at least one Web object with respect to at least one of events, actions and data that occur in a state of another Web object state machine.

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